

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED GAS SUB. REPORT/abd. _____DATE FILED 6-30-82

LAND: FEE & PATENTED

STATE LEASE NO. _____

PUBLIC LEASE NO.

U-13371

INDIAN _____

DRILLING APPROVED: 6-30-82

SPUDDED IN: _____

COMPLETED: _____

PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: LA 11.12.82FIELD: WILDCAT BRYSON CANYON

UNIT: _____

COUNTY: GRANDWELL NO. TOC USA #15-11API NO. 43-019-30959LOCATION 2112' FT. FROM (N) (S) LINE. X1249'FT. FROM (E) (W) LINE. XXNW SW

1/4 - 1/4 SEC.

15

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>17S</u>	<u>24E</u>	<u>15</u>	<u>TENNECO OIL COMPANY</u>				

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING5
5. Lease Designation and Serial No.

U-13371

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

1b. Type of Well

Oil
Well ☐Gas
Well ☒

Other

Single
Zone ☒Multiple
Zone ☐

2. Name of Operator

Tenneco Oil Company

3. Address of Operator

P. O. Box 3249, Englewood, CO 80155

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface 2137.4' FNL 282.9' FWL

At proposed prod. zone 2111.8' FSL 1248.8' FWL

7. Unit Agreement Name

8. Farm or Lease Name

TOC USA

9. Well No.

15-11

10. Field and Pool, or Wildcat

~~Morrison~~ Wildcat11. Sec., T., R., M., or Bk.
and Survey or Area

Sec. 15, T17S R24E

14. Distance in miles and direction from nearest town or post office*

31 miles NW of Mack, CO

12. County or Parrish 13. State

Grand

UT

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

282.9'

16. No. of acres in lease

240

17. No. of acres assigned
to this well

240

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

19. Proposed depth

4862'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5678' ground

22. Approx. date work will start*

August 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8"	54.5# new	80'	Circ cmt to surface
11"	8-5/8"	24# new	1348'	Circ cmt to surface
7-7/8"	4-1/2"	11.6# new	4862'	Circ cmt to cover all prod. zones

See attached drilling procedure

The gas is dedicated

Archaeology for surface location (done as Hogle USA 15-5) attached.

Prestake clearance for surface location (done as Hogle USA 15-5) attached.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6/30/82

BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Don H. Morrison

Title Production Analyst

Date 6/21/82

(This space for Federal or State office use)

Permit No.

Approval Date

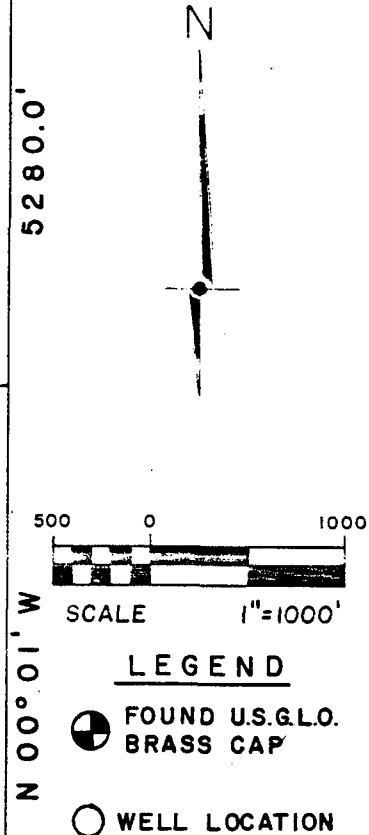
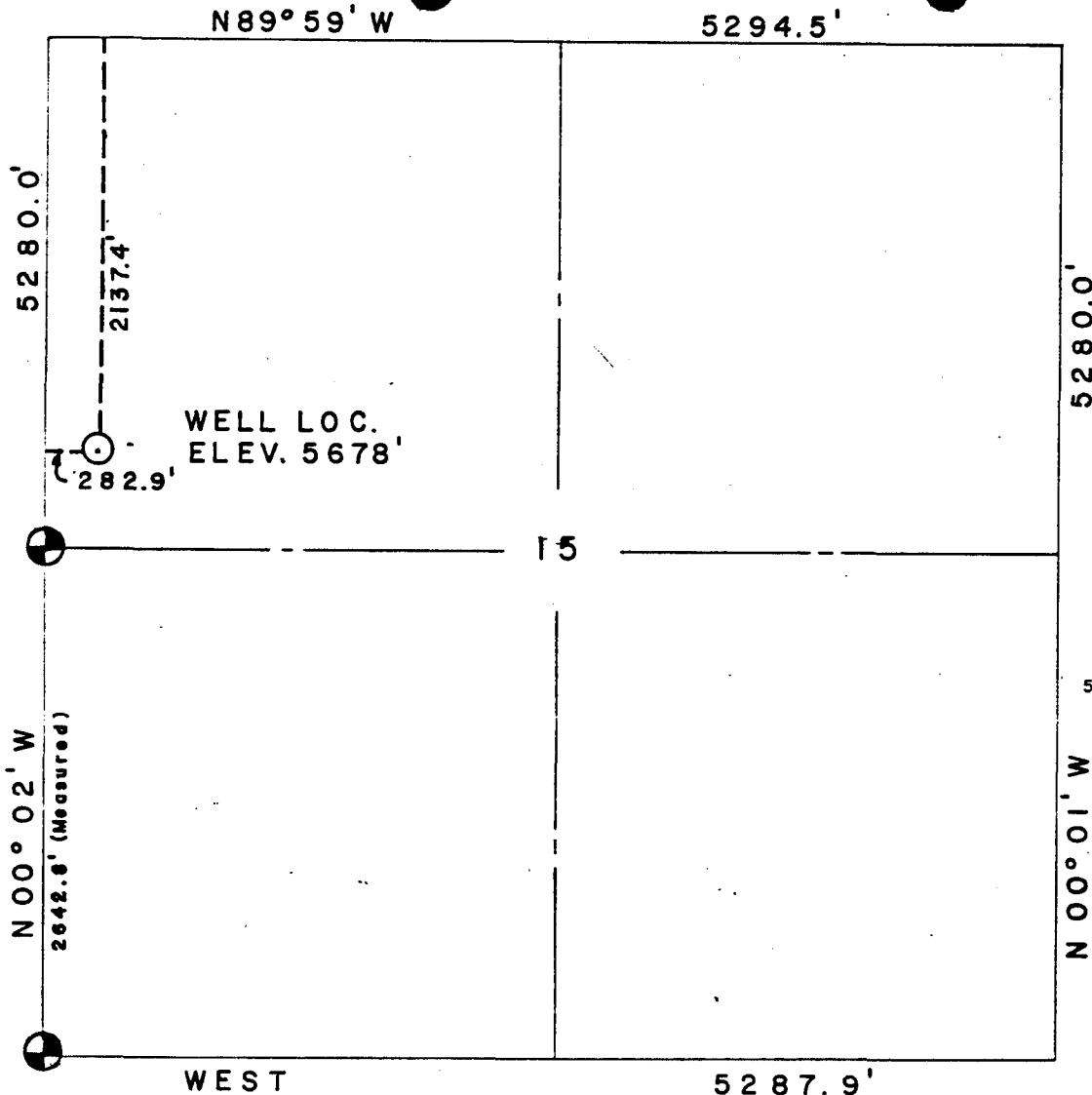
Approved by

Title

Date

Conditions of approval, if any:

(BASIS OF BEARING)



WELL LOCATION

2137.4 FT. S.N.L. - 282.9 FT. E.W.L.
SECTION 15, T. 17S., R. 24E., S. 1B. & M
GRAND COUNTY, UTAH

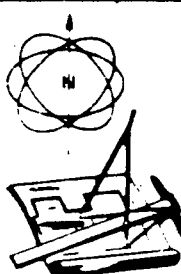
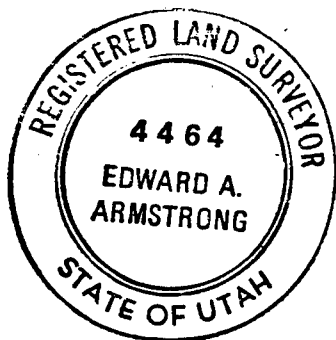
SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong

EDWARD A. ARMSTRONG P.E. & L.S. 4464

Revised: 5-17-82



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

SCALE 1"=1000'

DATE 2/18/81

DRAWN BY LHS

CHECKED BY EAA

DATE OF SURVEY 2/3/81

TENNECO OIL
TOC USA 15-11

FIGURE 1

JOB NUMBER

823923

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
6061 SOUTH WILLOW DRIVE
ENGLEWOOD, COLORADO 80015

DRILLING PROCEDURE

DATE: June 15, 1982

LEASE: TOC USA

WELL NO.: 15-11

LOCATION: 2137.4' FNL, 282.9' FWL - Surface Location
2111.8' FSL, 1249.8' FWL Hole Location @ top of Dakota Silt
Target
3299.8' FNL, 1378.7 FWL Hole Location @ T.D.

FIELD: Bryson Canyon

ELEVATION 5678' G.L.'

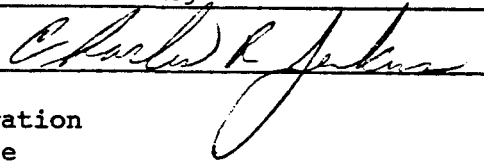
TOTAL DEPTH: 4553' T.V.D.
4862' M.D.

PROJECTED HORIZON: MORRISON

SUBMITTED BY: Tom Dunning

DATE June 15, 1982

APPROVED BY:



DATE 6/15/82

CC: Administration
Field File

ESTIMATED FORMATION TOPS

	<u>T.V.D.</u>	<u>M.D.</u>	<u>S.S.</u>	
Wasatch	SURFACE			
Castlegate	628'	630'	+5050'	(Water)
Mancos B	1318'	1349'	+4360'	(Gas)
Dakota Silt	4148'	4422'	+1530'	(Gas)
Dakota Sand	4268'	4552'	+1410'	(Gas)
Morrison	4408'	4704'	+1270'	(Gas)
TD	4553'	4862'	+1125'	

1. No abnormal pressures, temperatures or H₂S is anticipated on this hole.
2. Reserve pit shall be fenced on 3 sides during drilling operations in order to comply with BLM and USGS regulations.
3. Water may be encountered at top of Morrison.

DRILLING, CASING AND CEMENT PROGRAM

1. MIRURT
2. Set 80' of 13-3/8" casing to be used as surface casing. Cement with sufficient volume to circulate cement to the surface.
3. Nipple up casing flange, BOP's, and choke manifold. Pressure test BOP's, manifold, etc. to 1500 psi for 15 minutes.
4. Drill 11" hole to the kick off point at 200' TVD. Pick up downhole motor, bent sub and monel drill collar. Build angle at 2°/100' to a maximum angle of 22° 57' at 1348' M.D., 1317.39' T.V.D. Departure will be 226.90' at S 43° 18' 33" E. Surveys will be taken as needed. Run 8-5/8" 24# K-55 ST&C casing to T.D. Cement with sufficient volume to circulate cement to the surface. WOC.
5. Nipple up casing head, BOP's, rotating head and choke manifold. Pressure test BOP's, manifold, etc. to 1500 psi for 15 minutes.
6. Pick up packed BHA. and control drill 7-7/8" hole with air to top of Dakota Silt at 4422' M.D., 4148' T.V.D. Departure will be 1425.94' at S43° 18' 33" E. Lay down packed BHA. Continue control drilling with slick assembly to T.D. of 4862' M.D., 4553' T.V.D. Departure will be 1597.50' at S 43° 18' 33" E. Surveys will be taken as needed.
7. Log well as per G.E. department recommendations.
8. If well is productive, run 4-1/2", 11.6#, K-55, ST&C casing to T.D. Cement with sufficient volume to cover all possible productive zones.
9. If the well is non-productive, P & A as per Regulatory Agency specifications.

CASING PROGRAM

SURFACE:	0-80'	80'	13-3/8", 54.5#, K-55, ST&C
INTERMEDIATE:	0-1348' M.D.	1348'	8-5/8", 24#, K-55, ST&C
PRODUCTION:	0-4862' M.D.	4862'	4-1/2", 11.6#, K-55, ST&C

MUD PROGRAM

0-80' Spud mud. Viscosity as needed to clean hole.

80'-1348' M.D. 3% KCL water. Mud sweeps as needed to clean hole.

1348'-4862' M.D. Air or Air/Mist w/ 3% KCL.

NOTE: Should the hole become wet or encounter large gas flow which require mud up, keep the weight as low as possible, vis as needed, and W.L. \pm 6 cc. w/ 3% KCL.

EVALUATION

Cores and DST's:

NONE.

Deviation Surveys

0-80' Every 100' unless hole conditions prohibit running the surveys. Maximum deviation at T.D. 1°.

80'-1348' M.D. As needed for controlled directional drilling.

1348'-4862' M.D. As needed for controlled directional drilling.

Samples:

One full bag every ten feet from 3820' M.D. to T.D.

Logs:

Intermediate Hole - as specified by G.E. Department

Production Hole - as specified by G.E. Department.

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on air or air/mist holes.
3. Preventors must be checked for operation every 24 hours. This check must be recorded on the IADC Drilling Report Sheet.

REPORTS

Drilling Reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud cost, deviation surveys, and other pertinent information to be called into Division Office by 7:30 AM Monday thru Friday.

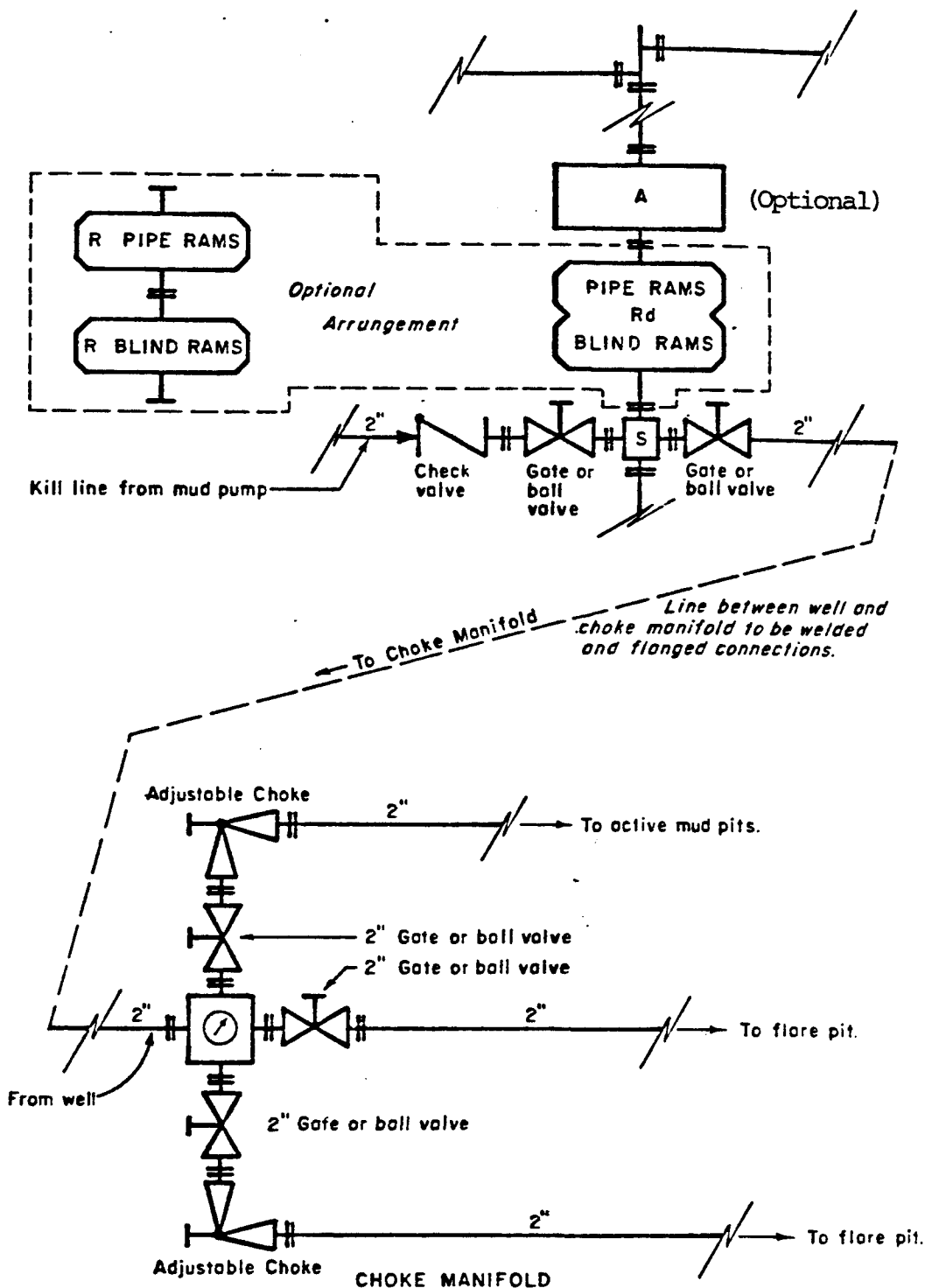
TENNECO OIL COMPANY
P.O. Box 3249
ENGLEWOOD, COLORADO 80155
PHONE: 303-740-4800

OFFICE DIRECTORY

Charles R. Jenkins	740-2575
Ted McAdam	740-2576
Tom Dunning	740-4813
Dale Kardash	740-4809

In case of emergency or after hours call the following in the preferred order.

(1)	Charles R. Jenkins	740-2575	Office
	Division Drilling Engineer	989-1727	Home
(2)	Ted McAdam	740-2576	Office
	Senior Drilling Engineer Specialist	978-0724	Home
(3)	Harry Hufft	771-5257	Home
	Division Production Manager		



All equipment to be 3,000 psi working pressure except as noted.

Rd Double ram type preventer with two sets of rams.

R Single ram type preventer with one set of rams.

S Drilling spool with side outlet connections for choke and kill lines.

A Annular type blowout preventer. (Optional)

ARRANGEMENT B

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
REQUIRED MINIMUM
BLOWOUT PREVENTER AND
CHOKE MANIFOLD

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Wasatch
- 2 & 3. Estimated formation tops: (see attached Drilling Procedure)
4. Proposed Casing Program: (see attached Drilling Procedure)
- 5.. Blowout Preventors:

Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC log.
6. Mud Program: (Sufficient quantity of mud and weight material will be available on location). (see attached Drilling Procedure)
7. Auxiliary Equipment:
 - a. Kelly cock will be in use at all times.
 - b. Stabbing valve to fit drill pipe will be present on floor at all times.
 - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
 - d. Floats at bits.
 - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
8. Coring, logging, and testing program: (see attached Drilling Procedure)
9. No abnormal pressures, temperatures or potential hazards such as H₂S are expected to be encountered.
10. The drilling of this well will start approximately (August 1982) and will continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

I. EXISTING ROADS

- A. **Proposed Well Site Location:** SE/NW quarter of Section 15, T17S, R24E Grand County, UT. See Figures 1 and 2.
- B. **Planned Access Route:** Proceed west on U. S. Highway 6 and 50 approximately 15 miles to Westwater Creek Road, turn right and proceed in a northwesterly fashion for 12.5 miles, turn at East Canyon and go another 3.5 miles to location. See Exhibits 3 and 4.
- C. **Access Road Labelled:**
 - Color Code: Blue - Improved surfaced roads
 - Red - New access road to be constructed
- D. Not applicable, the proposed well is a development well.
- E. The existing roads are shown in Figures 3 and 4.
- F. Existing Road Maintenance or Improvement:

II. PLANNED ACCESS ROUTE

- A. Route Location - See Figures 3 and 4)

The planned new access route was selected to provide the shortest distance to the well site with acceptable grades from the main connector road. Temporary access will be built initially. If the facility is productive, the temporary road will be improved as follows:

- 1. **Width:** The average dirt width will be 28 feet. The average traveled surface width will be 20 feet. Road construction will be in accordance with typical roadways requested by the U. S. Bureau of Land Management.
- 2. **Maximum Grades:** Grades will be kept to a minimum using all available engineering techniques. We will have grades that are safe and passable under adverse weather conditions and that utilize the existing topography and surface geological conditions.
- 3. **Turnouts:** None needed.
- 4. **Ditching and crowning:**
- 5. **Drainage Design:** Prior to construction of the new access road, the brush and topsoil will be windrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and the inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1. Water bars and/or water dips

6. Culverts Use, Major Cuts and Fills: Culverts needed are shown on Figure

Max: cut - 0

Max: fill - 0

7. Surfacing Material: The proposed permanent access road will be constructed with native material.
8. Gates, Cattleguards, Fence Cuts: None anticipated.
9. New portion of road will be center flagged.

III. LOCATION OF EXISTING WELLS

The proposed well is a development well. Exhibit A shows existing wells within a one mile radius.

- A. Water Wells: 0
- B. Abandoned Wells: 1
- C. Temporarily Abandoned Wells: 0
- D. Disposal Wells: 0
- E. Drilling Wells: 0
- F. Producing Wells: See Exhibit A
- G. Shut-In Wells: 0
- H. Injection Wells: 0
- I. Monitoring or Observation Wells: None.

IV. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Existing facilities within one mile owned or controlled by Lessee/Operator:

1. Tank batteries - 2
2. Production facilities - 2
3. Oil gathering lines - 0
4. Gas gathering lines - 1 - NWPL to the SW
5. Injection lines - 0
6. Disposal lines - 0

- B. New facilities in the event of production:

1. New facilities: May consist of a well head, condensate tank, production unit, meter house, all of which would remain within the disturbed area. Exhibit B shows our most typical arrangement for this area.
2. Dimensions of the facilities are shown in Exhibit B
3. Construction will be to strip the topsoil, level drilling pad. Dehydrator pits will be constructed with soil materials native to the site. Construction methods will be employed to assume that no drainage flows are impounded to prevent the loss of any hydrocarbon from the site. This is to be done in a manner to facilitate rapid recovery and clean up.

4. Protective measures to protect wildlife and livestock:
Dehydrator pits shall be overhead flagged should any hydrocarbon material be present on the surface. The dehydrator pits shall be fenced to prevent entry of livestock or wildlife.
- C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction completed.

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued usage will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded according to BLM specifications.

V. LOCATION AND TYPE OF WATER SUPPLY

- A. The water source is to be from a legal private source.
- B. Water transportation system:
- C. Water wells: None

VI. SOURCE OF CONSTRUCTION MATERIALS

- A. Materials: Construction materials will consist of soil encountered with the boundaries of the proposed site. Topsoil will be stripped to a depth of six inches and stockpiled .
- B. Land Ownership: The planned site and access roads lie on Federal land administered by the United States Department of Interior, U. S. Bureau of Land Management.
- C. Materials foreign to site:
- D. Access road shown under Figures 3 and 4.

VII. METHODS OF HANDLING WASTE MATERIALS

- A. Cuttings: Will be contained within the limits of the reserve pit.
- B. Drilling fluids: Will be retained in the reserve pit.
- C. Produced fluids: No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Prior to clean up operations, the hydrocarbon materials will be skimmed or removed as the situation would dictate.
- D. Sewage: Sanitary facilities will consist of at least one chemical toilet and after the completion of operations, the sewage will be removed and disposed of.

- E. Garbage: A burn cage will be used to burn all flammable material. The small amount of refuse will be removed from the site and disposed of at a legal and environmentally acceptable location.
- F. Clean up of well site: After drilling, the surface of the drill pad will be cleaned and graded to accommodate a completion rig. The "mouse hole" and "rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

VIII. ANCILLARY FACILITIES

None anticipated.

IX. WELL SITE LAYOUT

- A. See Figure 7

- 1. Location of pits: SE corner of pad
- 2. Rig Orientation: See Figure 7

- B. Pits will be unlined, unless otherwise required.

X. PLANS FOR RESTORATION OF SURFACE

- A. Reserve Pit Cleanup: The pit will be fenced prior to rig release and shall be maintained until cleanup. Prior to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per Bureau of Land Management recommendation during the appropriate season following final restoration of the site.
- B. Restoration Plans - Production Developed: The reserve pit will be backfilled and restored as described under Item A. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on these areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C. Restoration Plans - No Production Developed: Of course the reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per Bureau of Land Management requirements.

D. Private Surface Restoration:

IX. OTHER INFORMATION

A. Surface Description: Canyon bottom with SW drainage. Predominant vegetation includes sagebrush, serviceberry and native grasses.

B. Other Surface-Use Activities: The surface is federally owned and managed by the BLM/USGS. The predominant surface use is mineral exploration and production with minimal grazing activity.

C. Proximity of Water, Dwelling, Historical Sites:

1. Water: None within one mile.
2. Occupied Dwellings:
3. Historical Sites: An archaeological reconnaissance has been performed for this location and report is on file with the appropriate USGS/BLM offices.

XII. OPERATOR'S REPRESENTATIVE

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Charles Jenkins
P. O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-4800

Don H. Morrison
P. O. Box 3249
Englewood, Colorado 80155
Phone (303) 740-2588

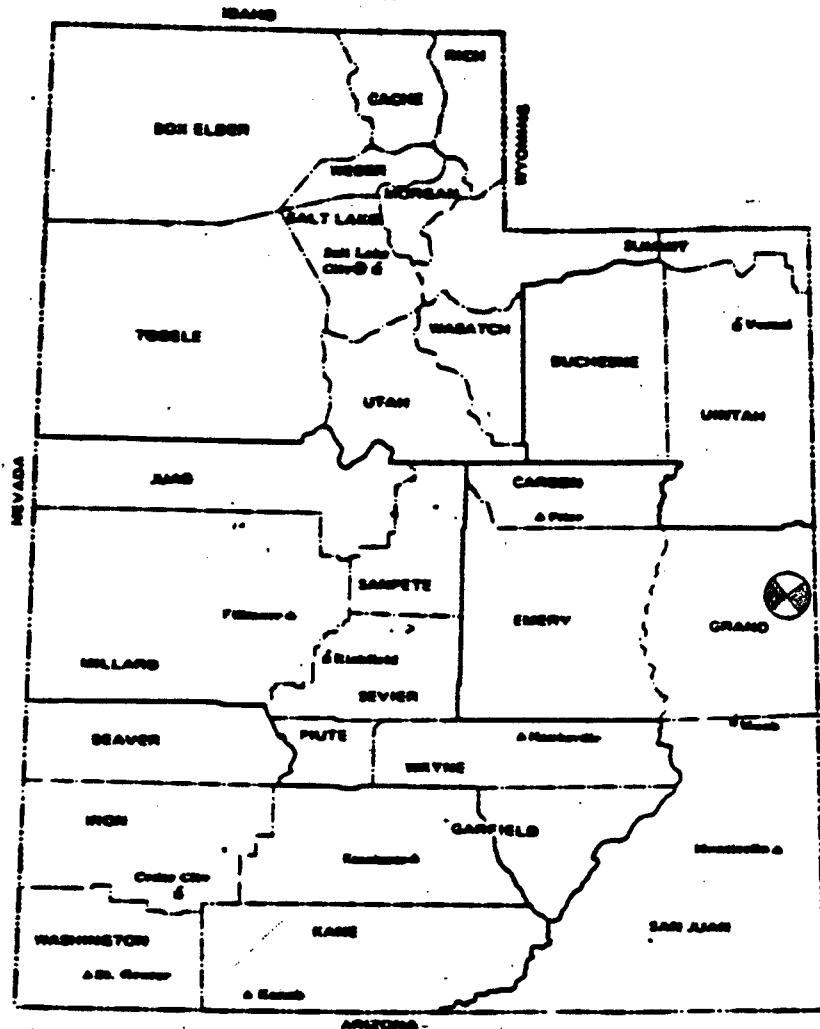
XIII. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

DATE: June 21, 1982

Don H. Morrison

AREA MAP



Proposed
Well
Location

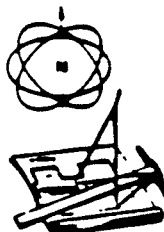
UTAH

Proposed well location
TOC USA 15-11
Sec. 15, T17S, R24E, SLB&M
Approximately 31 miles Northwest
of Mack, Colorado



LEGEND

- State Office
- District Office
- ▲ Area Office
- BLM District Boundaries
- - - County Boundaries



ARMSTRONG & ASSOCIATES, INC.

ENGINEERS • SURVEYS • U.S. MINERAL SURVEYORS

881 Road Avenue-Grand Junction, Colorado 81501-(303)245-3861

SCALE 1"=50MI

DATE 5/18/82

DRAWN BY LWV

CHECKED BY DRS

DATE OF SURVEY

Tenneco Oil
TOC USA 15-11

JOB NUMBER

823022

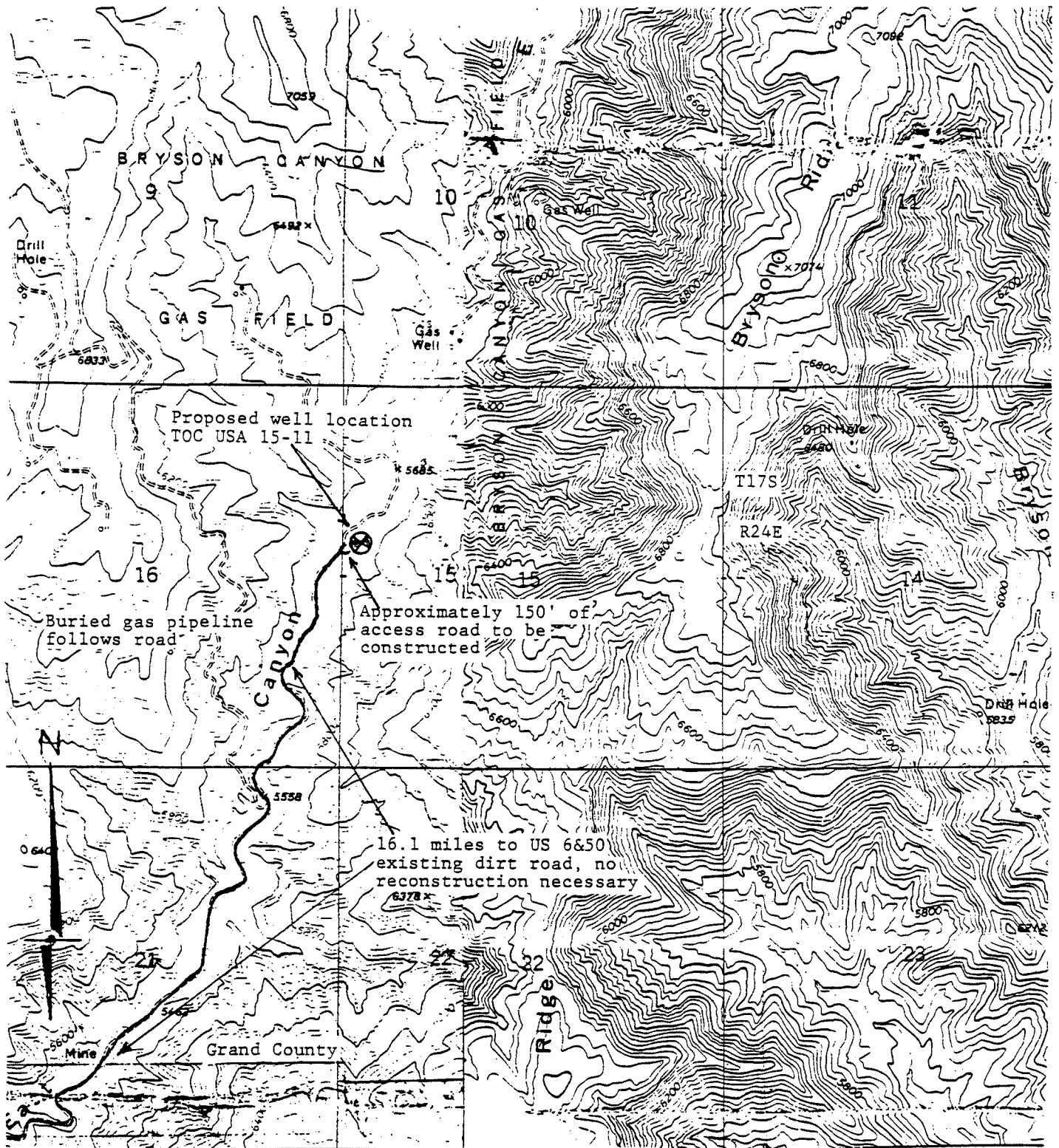
Topographic map of Grand County, Colorado, showing a proposed well location for GTOC USA 15-11. The map includes a grid with section numbers, a north arrow, a scale bar (0 to 4 miles), and labels for various geographical features like canyons, ridges, and hills. Key locations marked include:

- Proposed well location** (marked with a star and labeled "GTOC USA 15-11")
- 16.1 miles to US 6&50 existing dirt road, no reconstruction necessary** (indicated by a line and arrow pointing to a road intersection)
- 15.1 miles on US 6&50 to Mack, Colorado** (indicated by a line and arrow pointing to a road intersection)
- CLIFFS** (large area labeled "CLIFFS")
- BOOK** (large area labeled "BOOK")
- POTATO HILL** (labeled "POTATO HILL")
- Harley Dome** (labeled "Harley Dome")
- Field 3** (labeled "Field 3")
- Grand County** (labeled "Grand County")
- SCALE** (0 to 4 MILES)
- GUIDE** (vertical line with arrows pointing up and down)
- North Arrow** (pointing up)

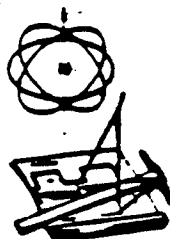
823923

Revised

PLANNED ACCESS ROADS



From:
Dry Canyon, Utah
Bryson Canyon, Utah
1970
U.S.G.S. 7.5 min. series



ARMSTRONG & ASSOCIATES, INC.

ENGINEERS • SURVEYS • U.S. MINERAL SURVEYORS

881 Road Avenue-Grand Junction, Colorado 81501-(303)245-3881

SCALE 1"=2000'

DATE 5/18/82

DRAWN BY LWW

CHECKED BY DRS

DATE OF SURVEY 5/17/82

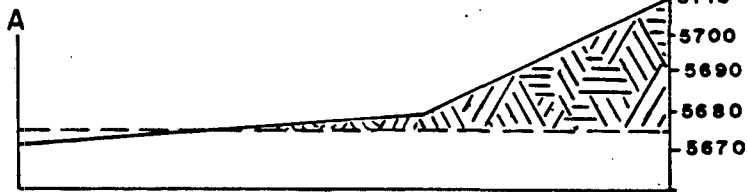
Tenneco Oil
TOC USA 15-11

FIGURE 4

JOB NUMBER

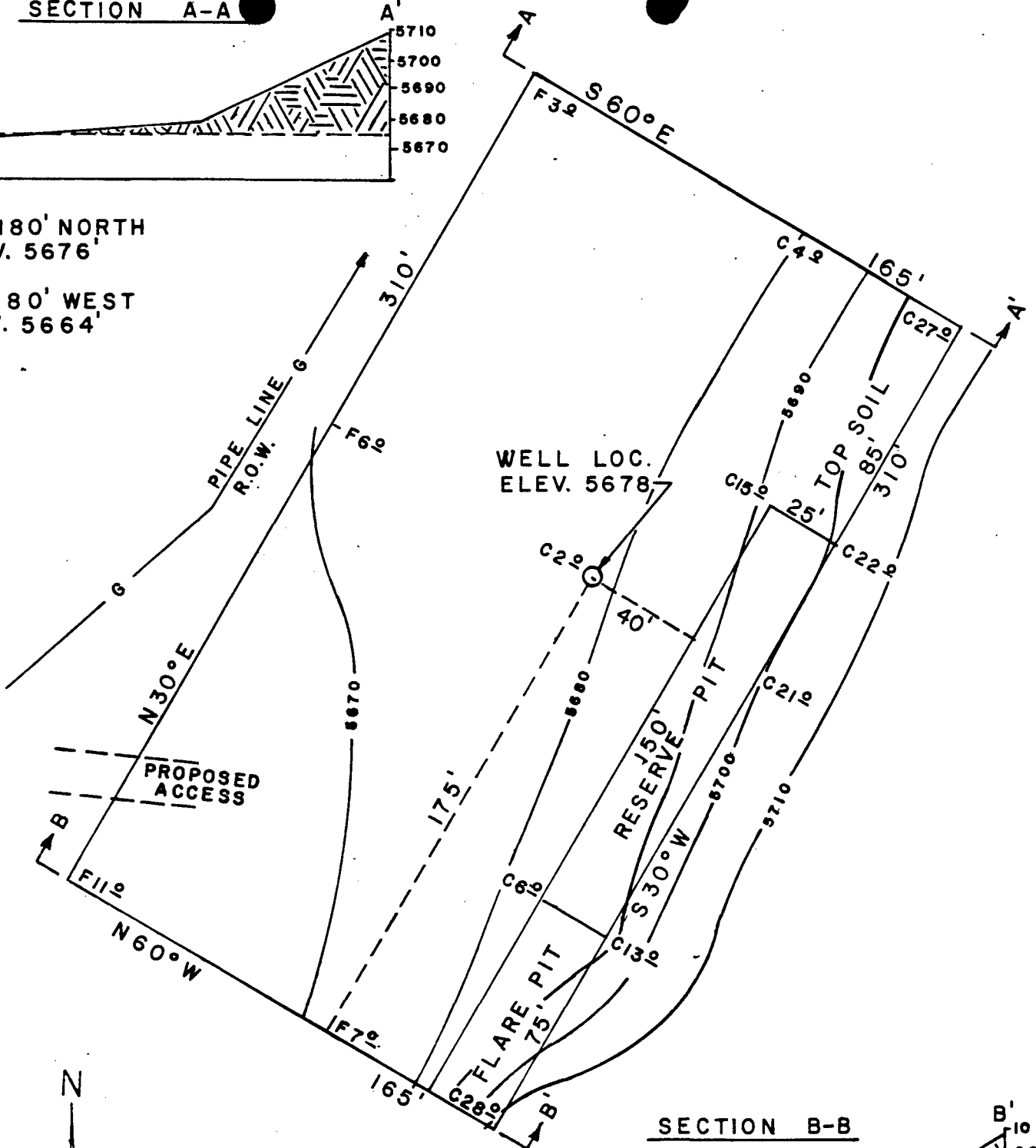
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SECTION A-A

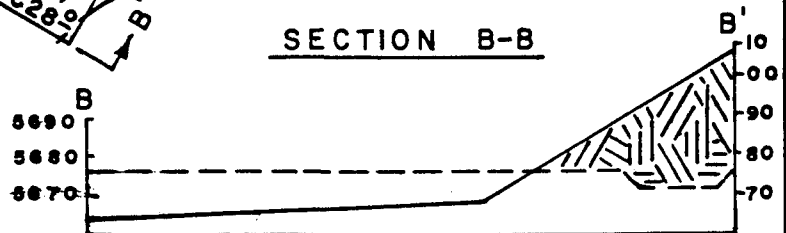


REF. PT. 180' NORTH
ELEV. 5676'

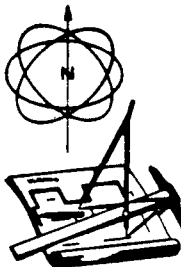
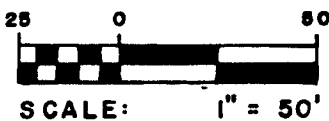
REF. PT. 180' WEST
ELEV. 5664'



SECTION B-B



Revised: 5-17-82



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

SCALE 1" = 50'

DATE 2/18/81

DESIGNED BY LHS

CHECKED BY JRS

DATE OF SURVEY 2/3/81

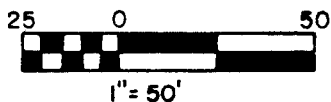
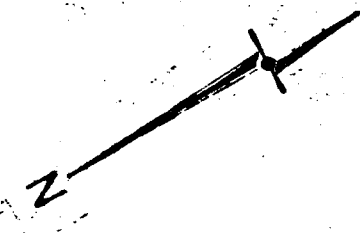
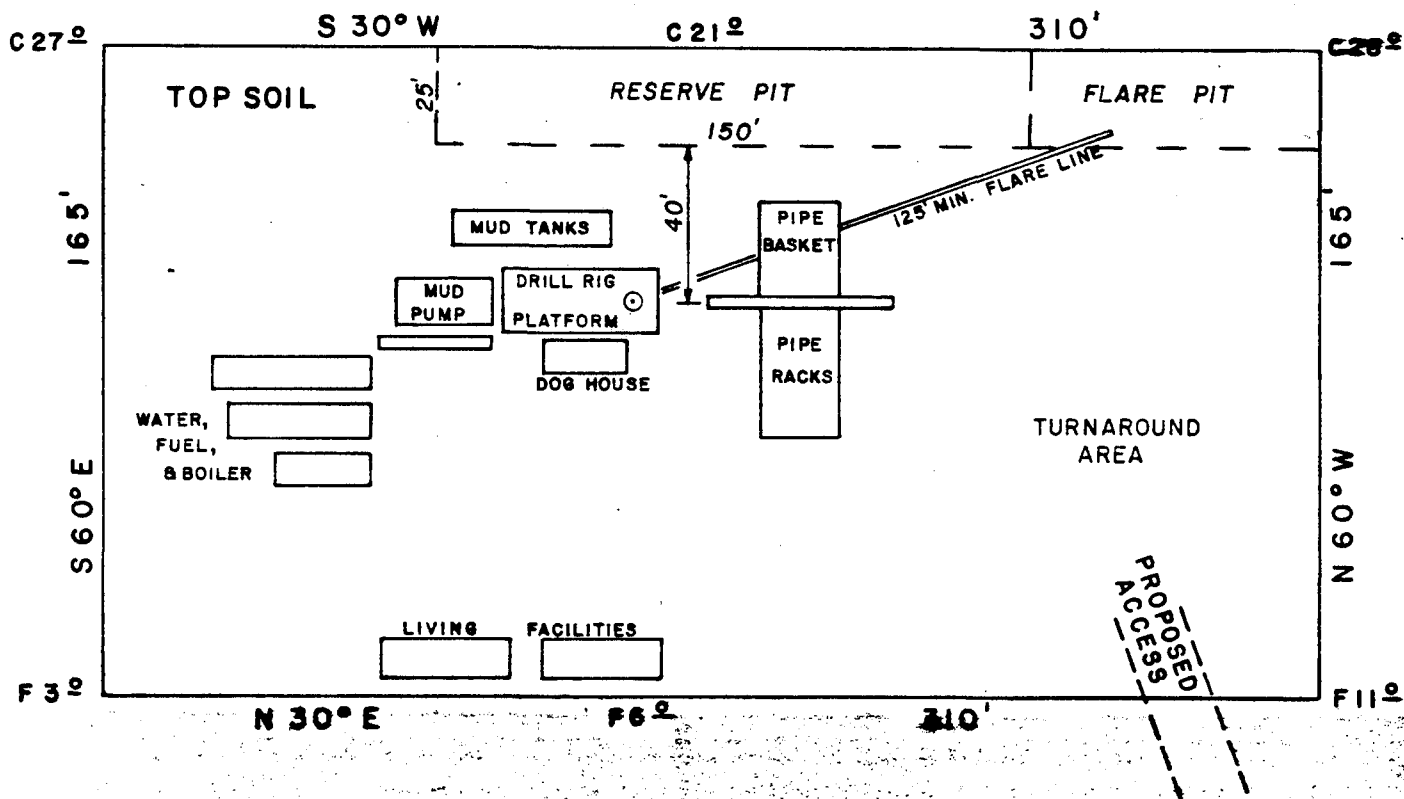
TENNECO OIL
TOC USA 15-11

FIGURE 5

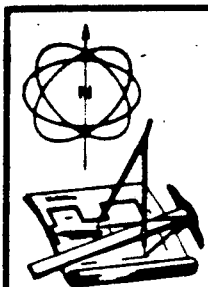
JOB NUMBER

823923

RIG LAYOUT



REVISED: 5-17-82



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE • GAND DUNCTION, COLORADO 81501 • (303) 245-3861

SCALE 1" = 50'
DATE 2/18/81
DRAWN BY LHS
CHECKED BY EAA
DATE OF REVISION 2/3/80

TENNECO OIL
TOC USA 15-11

FIGURE 6

JOB NUMBER
823923

MTNF.
9051

POPE
1000

BELCO
8022

POINT

EAST CANYON

OVERLOOK

SAN ARROYO

UNDERWOOD
7205

UNDERWOOD
6604

6118

SHAMROCK
6030

SINCLAIR
4950

SINCL.
45149

WATER

BRYSON CANYON

BAR "X"

HANCOCK
36075

TREND
5240

STATELINE

EL PASO
5530

AMER. FRONTIER
3783

INT. DRG.
260VT.
161

3706

W. BAR "X"

HANCOCK
4287

SW. BAR "X"

GIBSON
1772

SELCO
5533

PEASE
2774

UINTA
128

3814

PINON
3223

GRT. WEST.
1 FED.
4498
3378

GRT. WEST.
2 FED.
2213

BELCO
1980

CARTER
1830R
2300

TEXOTA
1549
1745

HARLEY DOME

TEXOTA
1540

FALLGREN
1 HARLEY
3935

FALLGREN
1 DOME
1675

SKELLY
2055

1715

1890

1595

1070

770

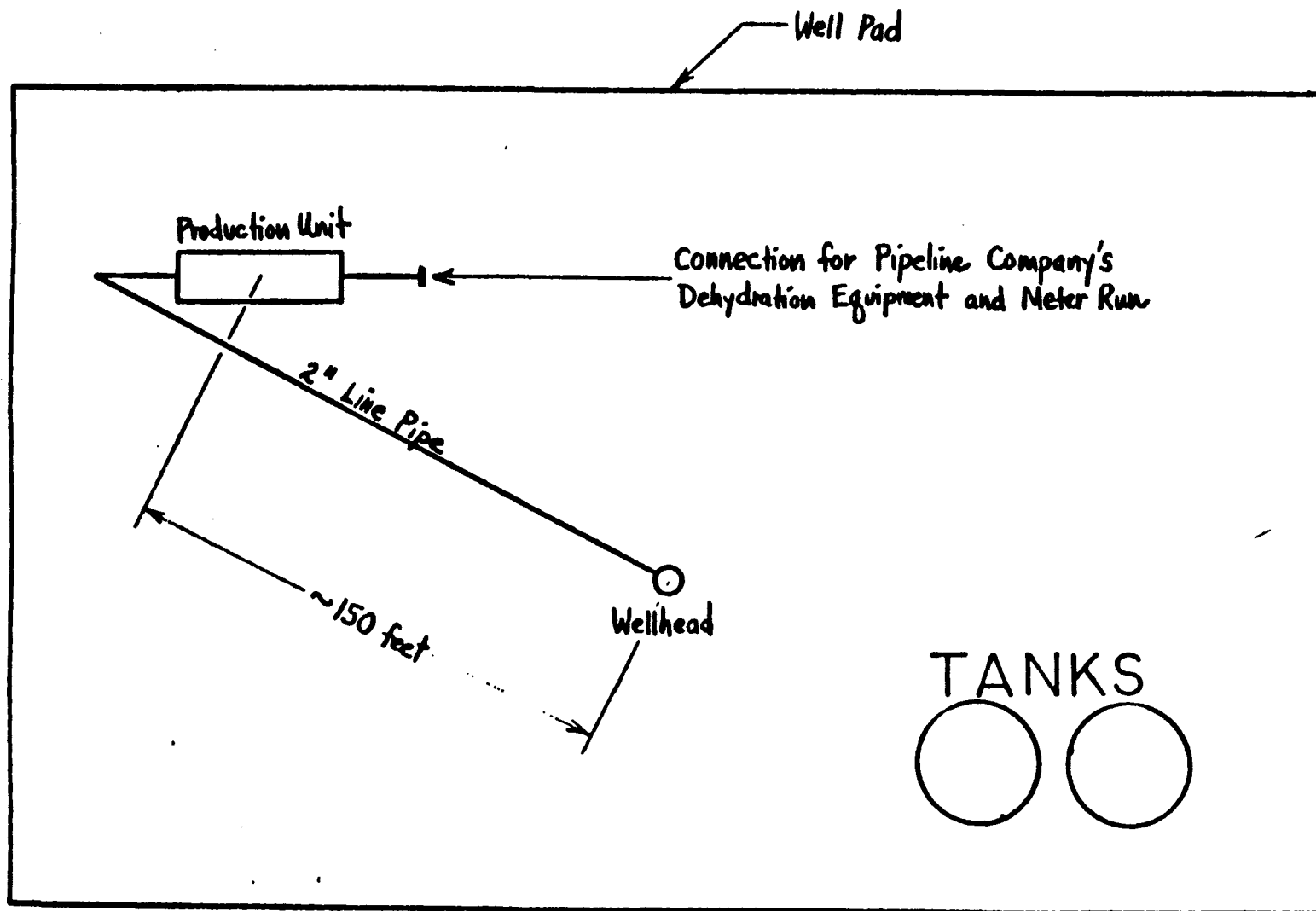
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PROBABLE EQUIPMENT INSTALLATION



EXHIB. B

NOT TO SCALE

Tenneco Oil
Exploration and Production
A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

February 2, 1981

U.S. Geological Survey
2000 Administration Bldg.
1745 West, 1700 South
Salt Lake City, Utah 84138

Re: TOC Hogle USA 15-5
1820 FNL, 500 FWL
Sec. 15, T17S, R24E
Grand County, Utah

Gentlemen:

Pursuant to NTL-6 Part II A, a preliminary environmental review is requested prior to the entry on the ground for the purpose of staking the referenced location, access road, and other surface use areas.

Please notify us at your earliest convenience of the status of approval.

Yours very truly,

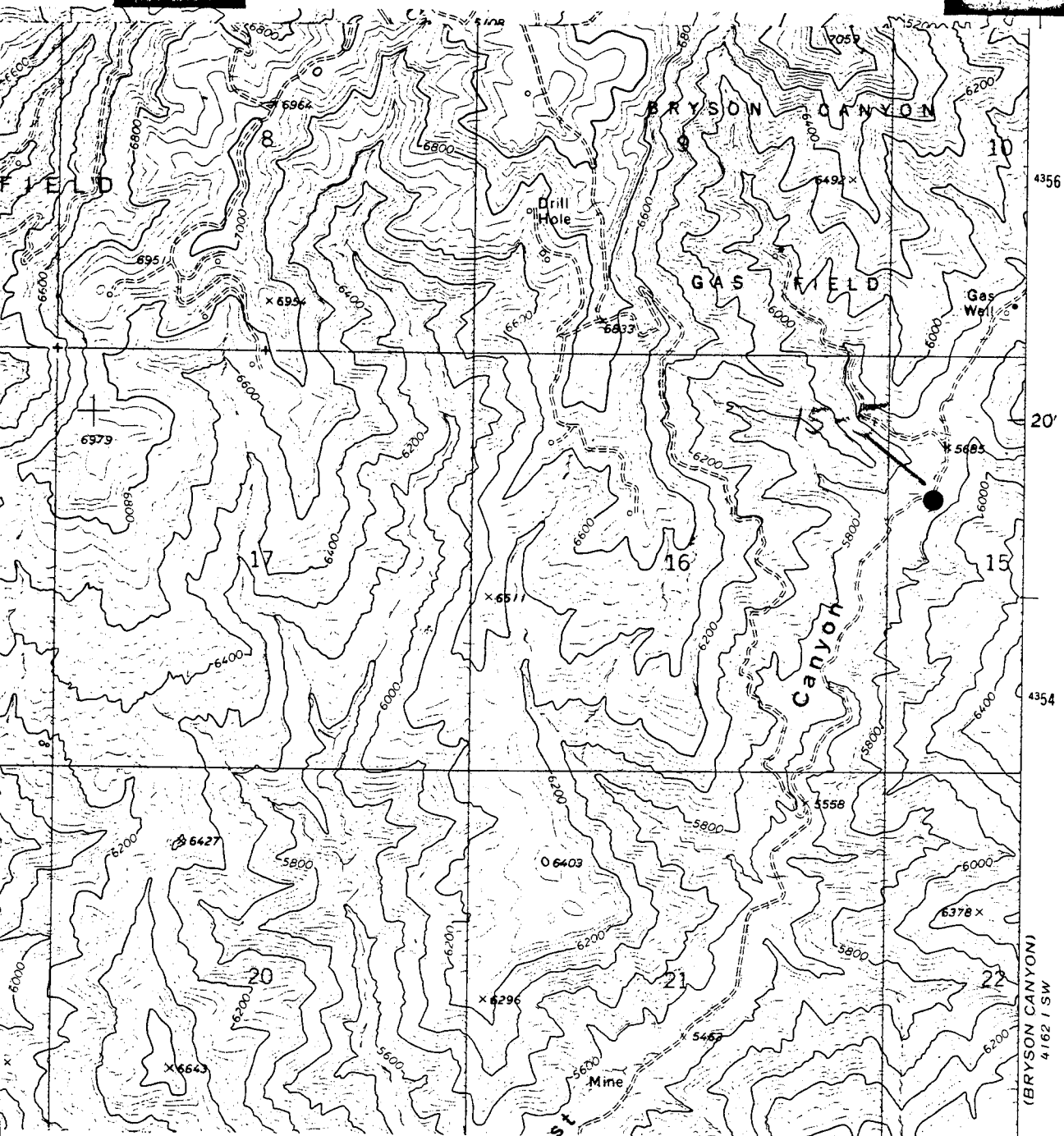
TENNECO OIL COMPANY

A handwritten signature in dark ink, appearing to read "M. L. Freeman".

M. L. Freeman
Staff Production Analyst

MLF/pms
Enclosure

cc: Bureau of Land Management
P.O. Box M
Moab, Utah 84532



NICKENS and ASSOCIATES

P.O. Box 727

Montrose, Colorado 81401

Phone: (303) 249-3411

April 14, 1981

Mr. M. L. Freeman
Tenneco Oil Exploration and Production
P.O. Box 3249
Englewood, Colorado 80155

Dear Mr. Freeman:

Our personnel have completed cultural resource inspections at the following proposed well locations as requested by Armstrong Engineers of Grand Junction, Colorado:

Hogle USA 15-5 proposed location "B" and its associated access road, Grand County, Utah

Inspection of these locations revealed no prehistoric or historic resources within the proposed impact areas. Therefore, copies of the BLM-required Summary Report are being forwarded to the appropriate Federal review offices together with our recommendation that no further cultural resource consideration is necessary for the above-referenced locations. An invoice for this work will follow.

Please contact me if you have any questions.

Sincerely,



Paul R. Nickens, Ph.D.
Principal Investigator

PRN/j
Enclosure

cc: BLM - Moab District
BLM - Grand Resource Area
BLM - Utah State Office
U.S. Geological Survey

RECEIVED

APR 16 1981

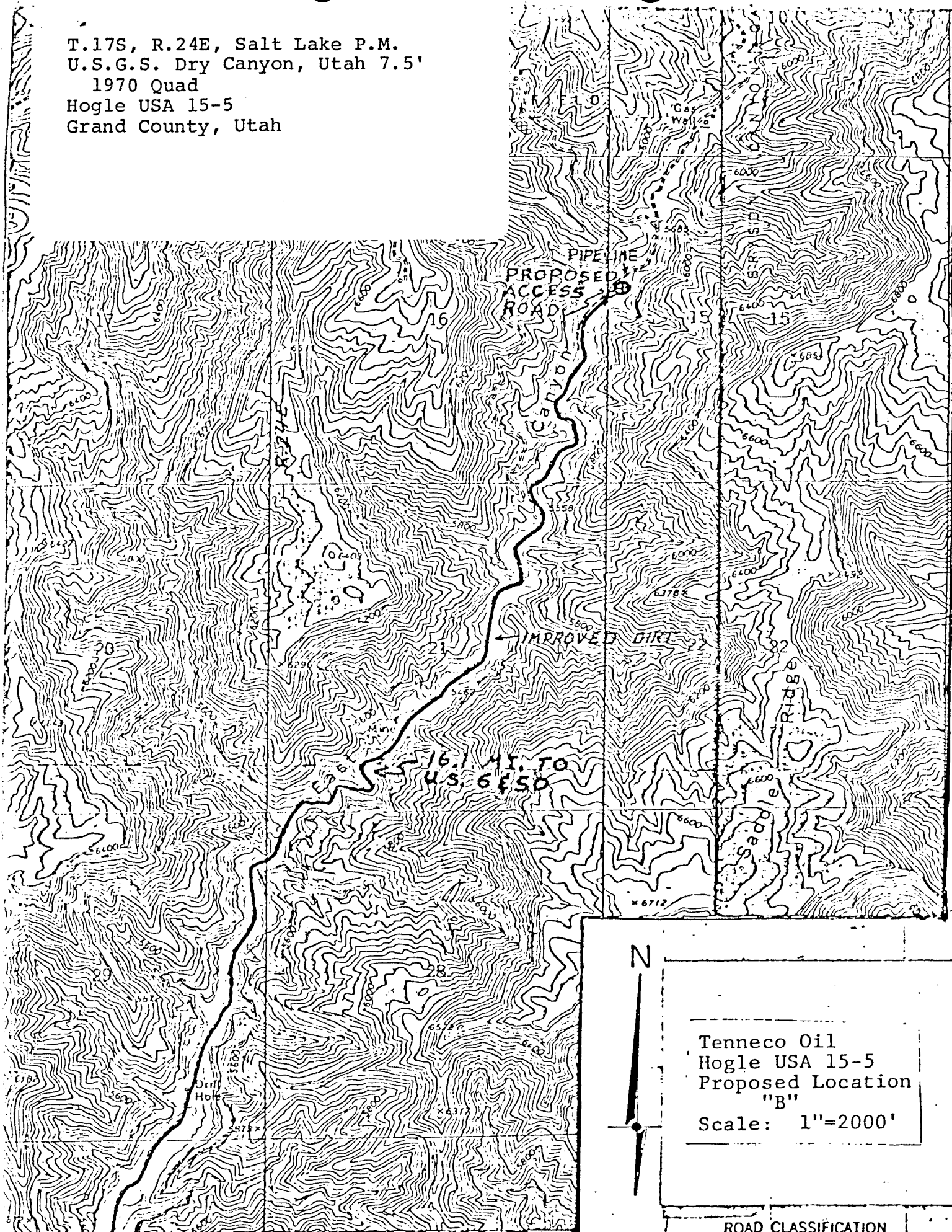
**TENNECO OIL CO.
DENVER**

Summary Report of Inspection for Cultural Resources

Comments: _____

- Ut 8100-3 (1/80)

T.17S, R.24E, Salt Lake P.M.
U.S.G.S. Dry Canyon, Utah 7.5'
1970 Quad
Hogle USA 15-5
Grand County, Utah



N

Tenneco Oil
Hogle USA 15-5
Proposed Location
"B"
Scale: 1"=2000'

ROAD CLASSIFICATION

✓

P.I. 

June 30, 1982

Tenneco Oil Company
P.O. Box 3249
Englewood, Colorado 80155

RE: Well No. TOC USA #15-11
Sec. 16, ~~R17S~~, R24E
Grand County

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 165-4, dated 06-26-79. The above referenced well is in spacing and drilling Unit No. 5 in said Cause No. However, this is under the stipulation that you furnish the Division with information regarding deviation procedures and the final bottom hole location.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

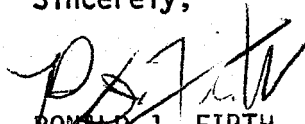
CLEON B. FEIGHT
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30959.

Sincerely,


RONALD J. FIRTH
CHIEF PETROLEUM ENGINEER

RJF:SC
cc: Minerals Management Service
Enclosure

Tenneco Oil Exploration and Production

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado



July 26, 1982

Minerals Management Service
2000 Administration Bldg
1745 West 1700 South
Salt Lake City, UT 84104

ATTN: Ed Gynn

RE: Tight Hole Status for 1982
Locations

Dear Ed:

Tenneco hereby requests that your office designate the following wells as "tight Hole", as we consider the information from these wells as proprietary;

Hays USA #1-5

Hays USA #1-2

TOC TXO USA #15-9

TOC TXO POGO USA #15-11

Your cooperation in this matter will be greatly appreciated.

Sincerely yours,

TENNECO OIL COMPANY

Don H. Morrison

Don H. Morrison
Sr. Production Analyst

DHM/dd

cc: ☒ State of Utah - Oil & Gas Conservation

RECEIVED

JUL 29 1982

DIVISION OF
OIL, GAS & MINING

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

October 29, 1982

Mr. M.L. Freeman
Tenneco Oil Company
Western Rocky Mountain Division
P.O. Box 3249
Englewood, Colorado 80155

Re: Return Application for Permit
to Drill
Well No. 15-11
Section 15-T17S-R24E
Grand County, Utah
Lease No. SL-071172

Gentlemen:

The Application for Permit to Drill the referenced well was received in this office June 25, 1982.

In our letter to you dated August 19, 1982, it was stated that the application would have to be brought administratively complete within 45 days. Since this has not been accomplished, we are returning the application unapproved.

If you again desire to drill at this location, a new complete package must be submitted.

If you have any questions, please feel free to call this office.

Sincerely,

E. W. Guynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
MMS-Vernal
Well File
APD Control
DH/dh

November 12, 1982

Mr. M. L. Freeman
Tenneco Oil Company
Western Rocky Mountain Division
P. O. Box 3249
Englewood, Colorado 80155

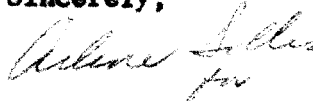
RE: Well No. 15-11
Sec. 15, T.17S, R.24E
Grand County, Utah

Gentlemen:

Approval of Application for Permit to Drill the above referenced well is rescinded without prejudice as of the above date in concert with action taken by Minerals Management Service.

If you intend to drill this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,



Norm Stout
Administrative Assistant

NS/as